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FEE TRANSMITTAL for FY 2005 <small>Patent fees are subject to annual revision.</small>		Complete if Known		
		Application Number	09/964,950	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.		Filing Date	September 27, 2001	
		First Named Inventor	Sanjiv M. Shah	
		Examiner Name	Lewis A. Bullock, Jr.	
		Art Unit	2195	
TOTAL AMOUNT OF PAYMENT (\$)		120.00	Attorney Docket No.	42390P11914

METHOD OF PAYMENT (check all that apply)

- ☐ Check
 ☐ Credit card
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 ☐ Other (please identify): _____
☒ Deposit Account Deposit Account Number: 02-2666 Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLP

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FEE CALCULATION

1. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
12	24	50.00	\$0.00
Independent Claims	4	200.00	\$0.00
Multiple Dependent			

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1202	50	2202	25	Claims in excess of 20
1201	200	2201	100	Independent claims in excess of 3
1203	350	2203	150	Multiple Dependent claim, if not paid
1204	300	2204	150	Reissue independent claims over original patent
1205	300	2205	150	Reissue claims in excess of 20 and over original patent

SUBTOTAL (1) (\$)

*or number previously paid, if greater, For Reissues, see below

2. ADDITIONAL FEES

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1051	130	2051	65	Surcharge - late filing fee or oam
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet
2053	130	2053	130	Non-English specification
1251	120	2251	60	Extension for reply within first month
1252	450	2252	225	Extension for reply within second month
1253	1,020	2253	510	Extension for reply within third month
1254	1,580	2254	795	Extension for reply within fourth month
1255	2,150	2255	1,080	Extension for reply within fifth month
1401	500	2401	250	Notice of Appeal
1402	100	2402	250	Filing a brief in support of an appeal
1403	1,000	2403	500	Request for oral hearing
1451	1,510	2451	1,510	Petition to institute a public use proceeding
1450	130	2450	130	Petitions to the Commissioner
1807	50	1807	50	Processing fee under 37 CFR 1.17(g)
1808	180	1808	180	Submission of Information Disclosure Stmt
1809	780	1809	395	Filing a submission after final rejection (37 CFR § 1.129(a))
1810	750	2810	395	For each additional invention to be examined (37 CFR § 1.129(b))

Other fee (specify)

SUBTOTAL (2)

(\$)

Fee Paid

120.00

120.00

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07/29/05

Based on PTO/SB/17 (12-04) as modified by Blakely, Sokoloff, Taylor & Zafman (w/r) 12/15/2004.
 SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

IN THE CLAIMS

Claims 1-9 (Canceled)

Claim 10 (Currently Amended): An apparatus comprising:

a memory to ~~host~~store a code segment, the code segment having a set of instances of a parallel construct, each ~~of the set of instances of the parallel construct~~ associated with a task; and

a set of processors coupled to the memory, the set of processors to process the code segment, to encounter one ~~of the set of instances~~instance while processing the code segment, to generate a second code segment corresponding to the ~~one of the set of instances~~instance, the second code segment ~~to comprising~~cause each of a team of a plurality of threads when executed to perform the following:

to determine if the task associated with the one ~~of the set of instances~~instance has been undertaken by another ~~one of the set of threads~~thread by a first thread that when executed to compare a first private value of the first thread and a second private value of the first thread,

if the task has not been undertaken by ~~the other another one of the set of threads~~thread, to undertake the task and to indicate with a shared value the undertaking of the task, and

to indicate with ~~a the first private value the one of the set of instances~~the first private value the one of the set of instances.

Claim 11 (Canceled)

Claim 12 (Currently Amended): The apparatus of claim 10 further comprising the set of processors to maintain ~~a the~~the second private value, the second private value being a boundary to access the shared value.

Claim 13 (Currently Amended): A system comprising:

a translating unit to translate a code, the code having an instance of a parallel construct, the instance associated with a task, the translating unit to generate a code segment, the code segment when executed to cause each of a ~~set of plurality of threads to perform the following:~~
to determine if the task associated with the instance has been undertaken by another ~~one of the set of threads~~ thread by a first thread, which when executed to compare a first private value of the first thread and a second private value of the first thread,
if the task has not been undertaken by another ~~one of the set of threads~~ thread, to undertake the task and to indicate with a shared value the undertaking of the task, and
to indicate with a ~~the first~~ first private value the instance;
a linker unit coupled to the translating unit, the linker unit to link the translated code with a library; and
a set of processors coupled to the translating unit and the linker unit, the set of processors to host the ~~set of plurality of threads.~~

Claim 14 (Currently Amended): The system of claim 13 wherein to determine if the task associated with the instance has been undertaken by ~~the another one of the set of threads~~ thread comprises to ~~compare a comparison of the first private value with the~~ shared value.

Claim 15 (Currently Amended): The system of claim 13 wherein the code segment to cause each of the set of threads to perform operations further comprising to maintain a the second private value, the second private value being a boundary for the second private value's corresponding one of the set of threads to access the shared value.

Claim 16 (Currently Amended): A machine-accessible medium containing instructions that, when executed, cause a machine to

~~A machine-readable medium that provides instructions, which when executed by a set of one or more processors, cause said set of processors to perform operations comprising:~~

receiving a first code segment, the first code segment having a set of instances of a parallel construct, each of the ~~set of instances of the parallel construct~~ instances comprised of a task; and

~~translating~~transforming the first code segment to a second code segment, the second code segment, ~~when being executed to perform operations comprising:~~

~~to allocating~~initialize a shared value for each of a team of threads, the shared value to indicate a most current ~~one of the set of instances~~instance encountered by one of a ~~the team of threads~~, ~~allocating~~to initialize a first private value and a second private value for each ~~of the team of threads~~thread, the first private value to indicate one of the set of instances encountered by the first private value's corresponding thread ~~of the team of threads~~, to determine if the task of the one instance has been undertaken by another thread by a first thread comparing a first private value of the first thread and a second private value of the first thread, upon determining the task has not been undertaken by the other thread, undertaking the task and indicating with the shared value the undertaking of the task,

~~maintaining~~to update the shared value with the team of threads, and

~~maintaining~~to update the private value of each of the team of threads with the private value's corresponding thread ~~of the team of threads~~.

Claim 17 (Canceled)

Claim 18 (Currently Amended): The machine-readable-accessible medium of claim 16 wherein ~~maintaining update~~ the shared value comprises incrementing the shared value when one of the ~~team of threads~~ undertakes the task of one of the set of ~~instances~~instance.

Claim 19 (Currently Amended): The machine-readable-accessible medium of claim 16 wherein ~~maintaining update~~ the private value comprises incrementing the private value when the private value's corresponding thread ~~of the team of threads~~ encounters one of ~~the set of instances~~instance.

Claim 20 (Currently Amended): The machine-readable-accessible medium of claim 16 further comprising instructions that, when executed, cause a machine to:

~~the thread maintaining update a~~ the second private value for each of the team of threads, the second private value being a boundary for accessing the shared value.

Claim 21 (Currently Amended): A machine-readable-accessible medium containing instructions that, when executed, cause a machine to~~that provides instructions, which when executed by a set of one or more processors, cause said set of processors to perform operations comprising:~~

~~receiving~~ receive a first code segment, the first code segment having a set of instances of a parallel construct, each of the set of instances being associated with a task; and

for each of the set of ~~instances~~instance, ~~generating to generate~~ a second code segment, ~~which when executed, cause a first thread to perform operations comprising:~~
encountering one of the set of ~~instances~~instance.

~~determining~~ determine if the task of the one of the set of instances instance has been undertaken by a second thread by the first thread comparing a first private value of the first thread and a second private value of the first thread,
upon determining the task has not been undertaken by the second thread, undertaking the task and ~~indicating with~~ using a shared value to indicate the undertaking of the task,
~~indicating with~~ using a ~~the~~ first private value of the first thread to indicate the one of the set of instances instance, and
~~maintaining a~~ the second private value of the first thread, the second private value being a boundary for accessing the shared value.

Claim 22 (Currently Amended): The machine-~~readable-accessible~~ medium of claim 21 wherein determining if the task of the one of the set of instances instance has been undertaken by the second thread comprises the first thread comparing the shared value and its first private value.

Claim 23 (Canceled)

Claim 24 (Currently Amended): The machine-~~readable-accessible~~ medium of claim 21 further comprising the second thread maintaining a third private value and a fourth private value, the third private value to indicating ~~indicate~~ a second one of the set of instances encountered by the second thread and the fourth private value to indicating ~~indicate~~ the second thread's boundary for accessing the shared value.